



# Republicans present conservative vision to help 'Dreamers'

*Undocumented immigrants may still have path to citizenship*

By Yamiche Alcindor

THE NEW YORK TIMES

WASHINGTON — Three Republican senators introduced a bill Monday that would offer young unauthorized immigrants a path to citizenship, signaling a possible bipartisan consensus on legislation to protect immigrants brought to the United States as children.

Sens. Thom Tillis of North Carolina, James Lankford of Oklahoma and Orrin G. Hatch of Utah offered what they called the Succeed Act, billed as a Republican alternative to the DREAM Act that is championed largely by Democrats. Both measures would provide a legislative solution for some of the 800,000 or so beneficiaries of the Deferred Action for Childhood Arrivals program, or DACA, an Obama-era order that President Donald Trump rescinded this month.

Congress has six months to figure out how to deal with the program's suspension before young recipients of the program begin losing their protections and potentially face being deported.

"This bill, I believe, is a fair and orderly method for providing a permanent solution for the DACA children," Tillis said.

It is unclear whether any Democrats will sign onto the Succeed Act, or whether common ground can be reached between the Republican bill and the DREAM Act, which has languished in Congress since 2001. To be eligible for protection under the Succeed Act, immigrants must have arrived before the age of 16 and been in the United States since June 15, 2012.

The Succeed Act also makes immigrants apply for conditional status for the first 10 years, similar to the work permits offered under DACA, after which they are allowed access to a green card. After five years as a green card holder, a person would be able to apply to become a U.S. citizen.

The DREAM Act is considerably more lenient.

"I appreciate that my colleagues recognize the need to pass legislation giving a path to citizenship to Dreamers, young immigrants who were brought here as children and grew up in this country — so do 75 percent of the American people," said Sen. Richard J. Durbin, D-Ill., who authored the DREAM Act with Hatch. "Unfortunately," he said, the Republican bill "falls short."

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## Paul Gray, MIT's 14th president, dies of Alzheimer's

Paul Gray PhD '60, in office from 1980 to 1990 as MIT's 14th president, died Sept. 18 of Alzheimer's disease at age 85.

During Gray's term as president, the percentage of female undergraduates at MIT increased from approximately 17 percent of undergraduates to over 30 percent, maintaining the trend from the previous administration, according to a diversity report in the January/February 2011 issue of the faculty newsletter.

During Gray's last four years as president, the percentage of under-

represented minorities among undergraduates went from just over 10 percent in 1987 to just over 15 percent in 1990, according to another report in the same issue. This upward trend levelled off in the years immediately after he left office.

Gray received his undergraduate and graduate degrees from MIT in Course 6-1 (Electrical Engineering). During his time at MIT, he was a brother of Phi Sigma Kappa and a member of the Reserve Officers' Training Corps (ROTC), according to the MIT Alumni Directory.

"To me, he is the iconic presi-

dent of MIT because he was made out of pure Institute clay, as an undergraduate, graduate, professor, and academic leader," John Deutch, emeritus professor of chemistry, said in an interview with MIT News.

Before stepping into the presidency, Gray served as dean of engineering and chancellor.

Priscilla King Gray, Paul Gray's wife (the pair met on a blind date, according to MIT News), founded the Priscilla King Gray Public Service Center.

—By Anshula Gandhi

## Health bill appears to be dead as pivotal Republican senator declares opposition

Medicaid cuts concern Sen. Collins

By Thomas Kaplan  
THE NEW YORK TIMES

WASHINGTON — Sen. Susan Collins said Monday that she would oppose the latest plan to repeal and replace the Affordable Care Act, leaving Republican leaders clearly short of the votes they need for passage.

Collins, R-Maine, announced her opposition in a written statement, delivering a significant and possibly fatal blow to the party's seven-year quest to dismantle the health law.

"Health care is a deeply personal, complex issue that affects every single one of us and one-sixth of the American economy. Sweeping reforms to our health care system and to Medicaid can't be done well in a compressed time frame, especially when the actual

bill is a moving target," Collins said in the statement.

"Today, we find out that there is now a fourth version of the Graham-Cassidy proposal, which is as deeply flawed as the previous iterations," she said. "The fact that a new version of this bill was released the very week we are supposed to vote compounds the problem."

The announcement came three days after Sen. John McCain, R-Ariz., said that he could not "in good conscience" support the latest repeal proposal, written by Sens. Lindsey Graham of South Carolina and Bill Cassidy of Louisiana. The senators released a revised version of their bill Monday morning, hoping to win over holdout

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## TETANUS ELIMINATED IN AMERICA

Haiti was the last hold-out. **NEWS, p. 2**

## MIT URGENTLY NEEDS MORE GRAD HOUSING

Volpe development will bring in more workers, putting more pressure on an already strained Cambridge housing market. **OPINION, p. 4**



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## CAREER FAIR

Is this Friday! Enjoy networking, free swag, and a day off.

## SECTIONS

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## WEATHER

## Autumn weather to come as Maria stays away

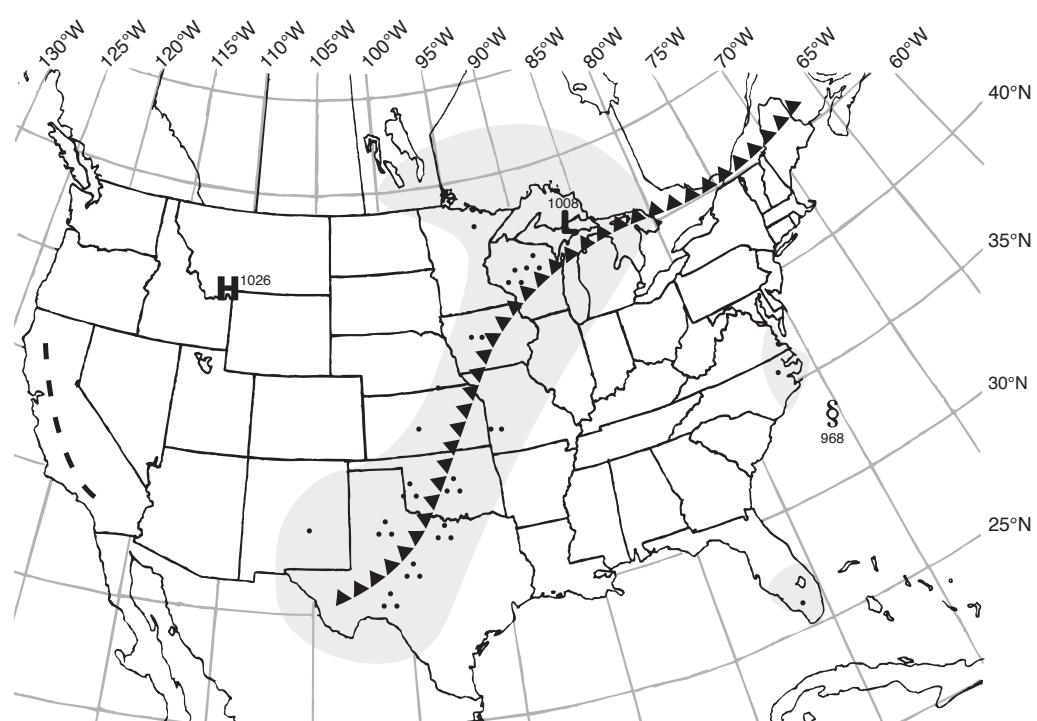
By Sarah Weidman and Tafnia Shikdar

The exceptionally warm weather Boston is experiencing following the departure of Tropical Storm Jose will soon come to an end. A low pressure system will move east across the Great Lakes region in the coming days, dragging a cold front through the Eastern US late this week. In its wake, strong high pressure will build into the region, bringing cooler and drier conditions with highs in the 60s and lows in the 50s. Meanwhile, Hurricane Maria will approach the Outer Banks of the Carolinas on Wednesday,

before the cold front pushing across the US drags it out to sea. Although Maria could bring gusty winds to the Outer Banks and high waves and rip currents to much of the East Coast, the storm does not pose a significant threat to land. Meanwhile out west, cool fall weather is already entrenched. Moisture will spill into the Rockies behind the cold front moving east towards our region, creating some cold precipitation in the mountain west. Some areas in the high Rocky Mountains are experiencing their first light snows of the season, signaling the end of a warm summer and the true coming of autumn.

### Extended Forecast

**Today:** Partly Cloudy. High around 82 °F (28 °C). Winds SW at around 5 mph.  
**Tonight:** Mostly Cloudy with a low around 67 °F (19 °C). Winds SW around 5 mph.  
**Tomorrow:** Partly Cloudy; slight chance showers late. High around 82 °F (28 °C) and low around 65 °F (18 °C). Winds SW between 5-10 mph.  
**Thursday:** Mostly Sunny. High around 69 °F (21 °C) and low around 53 °F (12 °C).  
**Friday:** Mostly Sunny. High around 70 °F (21 °C).



Situation for Noon Eastern Time, Tuesday, September 26, 2017

Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	— — Trough	Snow Rain	Fog
L Low Pressure	— — Warm Front	Showers * △ ◇	Thunderstorm
§ Hurricane	▲▲▲ Cold Front	Light *	Haze
	▲▲▲ Stationary Front	Moderate ** ..	
		Heavy *** ::	

Compiled by MIT Meteorology Staff and *The Tech*

## Repeal bill fails to win simple majority in Senate

Health, from Page 1

Republicans in part by shifting more funds to states like Maine and Alaska.

McCain, who killed the last repeal effort in July with a dramatic middle-of-the-night vote, faulted Republicans for trying to pass sweeping health care legislation without the participation of Democrats or fulsome public deliberations about the undertaking.

Sen. Rand Paul, R-Ky., had previously said he would oppose the Graham-Cassidy bill on the grounds that it did not go far enough in repealing the health law. A spokesman for Paul said Monday that the senator's position had not changed.

Sen. Ted Cruz, R-Texas, said Sunday that he had not yet been won over and was seeking changes to the repeal plan. An aide to Cruz said Monday that the senator's position remained the same.

Adding urgency to the matter,

Senate Republicans have until Sept. 30 to make use of special budget rules under which they can pass a repeal bill with only a simple majority, rather than needing Democratic votes. Even with those expedited procedures, Republicans can afford to lose only two of their 52 members, with Vice President Mike Pence breaking the resulting tie.

On Monday, President Donald Trump expressed frustration that Republicans had talked for years about repealing and replacing the Affordable Care Act but had failed to deliver now that a Republican was in the White House.

Trump singled out McCain for his decisive vote in July, and he seemed resigned to defeat this week.

"We're going to lose two or three votes, and that's the end of that," the president said on the "Rick & Bubba Show," a radio program.

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## Progress against tetanus, HIV and malaria

*Haiti becomes last country in the Americas to 'eliminate neonatal tetanus'*

By Donald G. McNeil Jr.  
*THE NEW YORK TIMES*

Infant and maternal tetanus was officially eliminated from the Americas this year, the Pan American Health Organization announced Thursday.

At one time, the infection killed about 10,000 newborns annually in the Western Hemisphere; tetanus still kills about 35,000 infants around the world.

It was one of several significant global health advances, including new programs against malaria and HIV, announced last week in conjunction with the meeting of the U.N. General Assembly in New York.

Haiti was the last country in the Americas to eliminate neonatal tetanus. That does not mean complete eradication, because the bacteria that cause tetanus exist everywhere in soil and animal droppings.

Rather, elimination means that — thanks to vaccination of mothers

and clean birth procedures — less than one case occurs per 1,000 live births.

Also this week, the President's Malaria Initiative said it would expand its work to new countries in West and Central Africa, protecting 90 million more people.

The initiative, founded in 2005 as part of the U.S. Agency for International Development, has been a major force in driving down worldwide malaria deaths by about 40 percent in the past decade.

The disease most often kills young children and pregnant women.

The expansion in Cameroon, Ivory Coast, Niger, Sierra Leone and Burkina Faso was made possible because Congress increased funding for the initiative in fiscal year 2017, a representative said.

In his speech to the United Nations on Tuesday, President Donald Trump praised the malaria initiative and the President's Emergency Plan for AIDS Relief as examples of

leadership in humanitarian assistance by the United States.

A combination of aid agencies, drug companies and governments also announced that a new 3-in-1 antiretroviral cocktail to treat HIV soon would be available to 92 countries, including virtually all of Africa, for about \$75 a year.

The new AIDS cocktail is the first available in poor countries to contain dolutegravir, which is widely used in wealthy countries because it is highly effective and has few side effects.

The pill also contains lamivudine and tenofovir disoproxil fumarate.

Almost 37 million people in the world have HIV, according to UNAIDS, the U.N.'s AIDS-fighting agency, but fewer than 20 million people are now on antiretroviral medicine, which not only saves their lives but prevents them from passing on the disease.

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GREEN	SONS	MATS

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Wed., Sept. 27, 5:00pm, 10-105  
Food Provided

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## CAREER FAIR WEEK EVENTS SCHEDULE

### Monday, September 18

Info Session: Citadel  
5:00 p.m. | 4-370

### Tuesday, September 19

Info Session: Shell Oil Company  
6:00 p.m. | 4-237

### Monday, September 25

Coffee Chat: Oliver Wyman  
11:00 a.m. | W20-407  
 Coffee Chat: PA Consulting Group  
12:00 p.m. | W20-491  
 Coffee Chat: Exponent  
1:00 p.m. | W20-201  
 Coffee Chat: Teach for America  
5:00 p.m. | TBD  
 Info Session: Chartwell Consulting  
7:00 p.m. | 4-370  
 Coffee Chat: Cornerstone Research  
8:00 p.m. | 4-270

### Tuesday, September 26

Coffee Chat: Accenture  
11:00 a.m. | W20-201  
 Coffee Chat: GoDaddy  
12:00 p.m. | W20-307  
 Info Session: iboss  
1:00 p.m. | W20-201  
 Coffee Chat Tech Square Trading  
3:00 p.m. | W20-407  
 Info Session: CMA Strategy Consulting  
3:00 p.m. | W20-407  
 Info Session: Microsoft  
5:00 p.m. | TBD

### Info Session: Palantir Technologies

6:00 p.m. | 4-370

### Info Session: Vecna Robotics

7:00 p.m. | 4-163

### Info Session: RightHand Robotics

8:00 p.m. | 3-370

### Wednesday, September 27

#### Coffee Chat: InterSystems

12:00 p.m. | W20-306

#### Coffee Chat: Tessella

12:00 p.m. | W20-407

#### Coffee Chat: Hudson River Trading

1:00 p.m. | W20-201

#### Coffee Chat: Procter & Gamble

2:00 p.m. | W20-491

#### Coffee Chat: GRAIL

3:00 p.m. | TBD

#### Coffee Chat: US Navy

4:00 p.m. | W20-407

#### Coffee Chat: Quantlab Financial

5:00 p.m. | TBD

#### Info Session: The Boeing Company

6:00 p.m. | 4-163

#### CEO Talk: Green Hills Software

6:00 p.m. | 3-370

#### Coffee Chat: Exxon Mobil Corporation

7:00 p.m. | 4-270

#### Info Session: General Electric

7:00 p.m. | 54-100

#### Info Session: Yext

8:00 p.m. | 4-163

### Thursday, September 28

#### Info Session: Facebook

10:00 a.m. | W20-306

#### Coffee Chat: Intel Corporation

10:00 a.m. | W20-307

#### Coffee Chat: Asana

11:00 a.m. | W20-201

#### CEO Talk: MultiMechanics

11:00 a.m. | W20-491

#### Tech Talk: NVIDIA

11:00 a.m. | TBD

#### Coffee Chat: IBM

12:00 p.m. | W20-306

#### Info Session: Factual

1:00 p.m. | W20-491

#### Tech Talk: MemSQL

1:00 p.m. | W20-201

#### Info Session: Heap

2:00 p.m. | W20-407

#### Info Session: JetBrains

2:00 p.m. | TBD

#### Coffee Chat: Qadium

2:00 p.m. | W20-306

#### Coffee Chat: Addepar

3:00 p.m. | W20-201

#### Coffee Chat: General Motors

3:00 p.m. | Johnson Overhang

#### Info Session: Improbable

3:00 p.m. | TBD

#### Info Session: ASAPP

4:00 p.m. | W20 PDRS 1&2

#### Info Session: ClearMotion

4:00 p.m. | W20-491

#### Info Session: Tower Research Capital

4:00 p.m. | TBD

### Info Session: Yelp

4:00 p.m. | W20-407

### Coffee Chat: Bridgewater Associates

5:00 p.m. | TBD

### Info Session: Daimler AG

5:00 p.m. | TBD

### Alumni Q&A: Oracle

5:00 p.m. | TBD

### Info Session: Five Rings Capital

6:00 p.m. | 1-242

### Info Session: Meteor

6:00 p.m. | 2-131

### Coffee Chat: Sandia National Laboratory

6:00 p.m. | 4-163

### Coffee Chat: Vatic Labs

6:00 p.m. | 4-149

### Coffee Chat: AT&T Entertainment Group

7:00 p.m. | TBD

### Tech Talk: Dropbox

7:00 p.m. | 4-270

### Info Session: Two Sigma

7:00 p.m. | 4-370

### Coffee Chat: Zenuity

7:00 p.m. | 3-370

### Info Session: Appian

8:00 p.m. | 1-242

### Coffee Chat: Mark43

8:00 p.m. | 2-131

### Coffee Chat: Old Mission Capital

8:00 p.m. | 4-149

### Tech Talk: Quora

8:00 p.m. | 4-163

### Coffee Chat: Skydio

9:00 p.m. | 1-150

### Info Session: Andreessen Horowitz

TBD | TBD

# OPINION OPINION OPINION OPINION OPINION



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## GUEST COLUMN

# The case for MIT graduate student apartments

*Lack of MIT graduate student housing will affect everyone in the Cambridge and Boston area*

By Anne Hudson

If you know a graduate student here at MIT, then you have likely been privy to a story or two about the stress of finding housing in the Cambridge area. The housing inventory in the Boston area is tight to say the least, and tight inventory means housing prices get pushed up. Ultimately, students get pushed farther and farther from campus in pursuit of affordable housing.

But this isn't just a sob story about MIT students wanting a more convenient commute to campus. This concerns the surrounding communities around MIT: more students looking for housing means higher prices for everyone, displacing former Cambridge and Boston residents from their longtime neighborhoods.

MIT currently has 6,800 graduate students and the capacity to house only a third of those students. It turns out that many

of the remaining two thirds would love to live on campus were it an option. Earlier this summer, the MIT Graduate Student Council conducted a survey about housing preferences and received responses from nearly a quarter of the graduate community. The results were staggering: there is a demand for at least 1,450 additional beds on campus, and the number could be as high as 1,800.

Why is this especially important now? Starting this year, MIT's investment arm, MITIMCO, is undertaking a new development near Kendall Square. This development, which is currently part of the federal government's John A. Volpe National Transportation System's Center, aims to bring 1.7 million square feet in new office space to Kendall Square. To give you a sense of how big that is, the entire undergraduate housing stock at MIT only adds up to 1.5 million square feet. The graduate housing stock is even smaller at 1.3 million. An in-

vestment of this magnitude will translate to well over 10,000 workers. Jobs are good, but new workers will make housing in the Cambridge area even more scarce. Some of the workers at Volpe will live in the 1,400 apartments MITIMCO also plans to build, but many many more will seek their housing elsewhere in the Cambridge community. There are some who believe that we must build our way out of affordable housing crises. With this project, I fear we would be building ourselves into a housing crisis.

The Cambridge city council is currently considering whether to allow the Volpe development to go forward without a commitment from MIT to build graduate student housing on the site. We need the MIT student body to take a stand: we should not bring new workers to Cambridge without providing more housing for graduate students.

Anne Hudson is a graduate student in the department of Urban Studies and Planning.

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## CORRECTIONS

Last issue's article about HackMIT incorrectly listed Jason Siebel '20 as a member of the class of 2019.

## OPINION POLICY

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**Dissents** are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

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Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority.

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**Guest columns** are opinion articles submitted by members of the MIT or local community.

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# Fall Is Here

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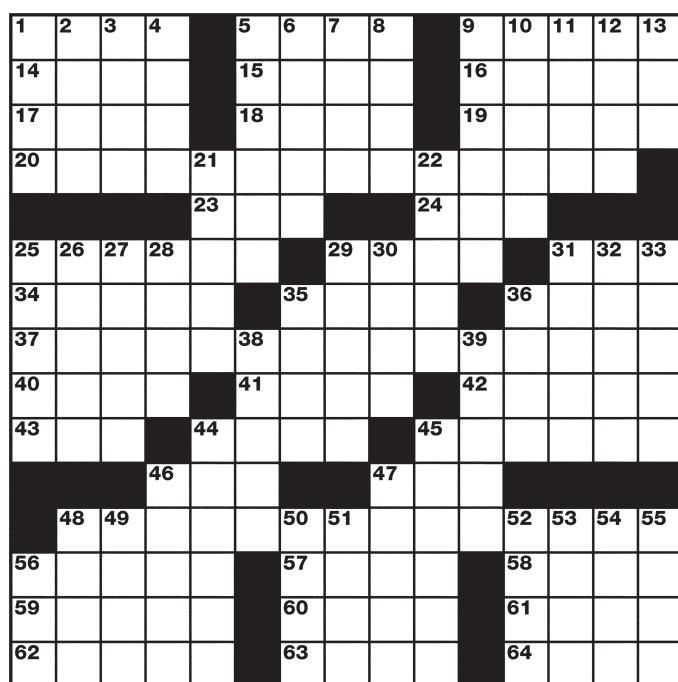
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48 Fall \_\_ (make an embarrassing error)  
56 Everest or Rushmore  
57 Largest continent  
58 Wrinkle-removing appliance  
59 Sudden burst of electricity  
60 Walk waretly  
61 Peruse  
62 Color of lettuce  
63 Dad's boys  
64 Small rugs

**DOWN**

1 Snooty person  
2 Skin opening  
3 Great Salt Lake state  
4 Sandwich shop  
5 Must  
6 Clear a blackboard  
7 Milwaukee's state: Abbr.  
8 Eve's third child

9 Checked the ID of

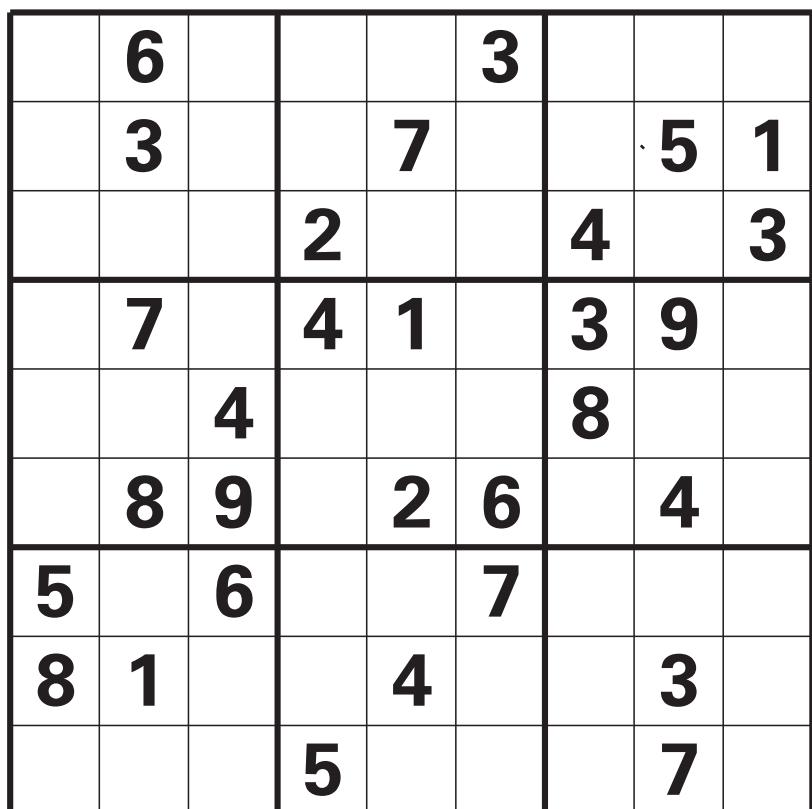
- 10 Approximately
  - 11 Out of bounds, in baseball
  - 12 Outer boundary
  - 13 Look at
  - 21 Period after sunset
  - 22 Privileged group
  - 25 Apple tablet computers
  - 26 Fill fully, as a gas tank
  - 27 Covered with suds
  - 28 Land measure
  - 29 Small-minded
  - 30 Soreness from overexertion
  - 31 In good \_\_ (physically fit)
  - 32 Base-clearing hit
  - 33 Facilitates
  - 35 Mix with a spoon
  - 36 Row on a wall calendar
  - 38 San Antonio attraction
  - 39 Piggens
  - 44 Tot's hand warmer
  - 45 Pumpernickels and ryes
  - 46 Cooking appliance



47 Pungent burger topping	52 Not squishy, as a mattress
48 Singers in a quartet	53 Neighborhood
49 Entice	54 Layer of paint
50 Short snoozes	55 Concludes
51 Capital of Norway	56 Flavor enhancer letters

# Career Fair

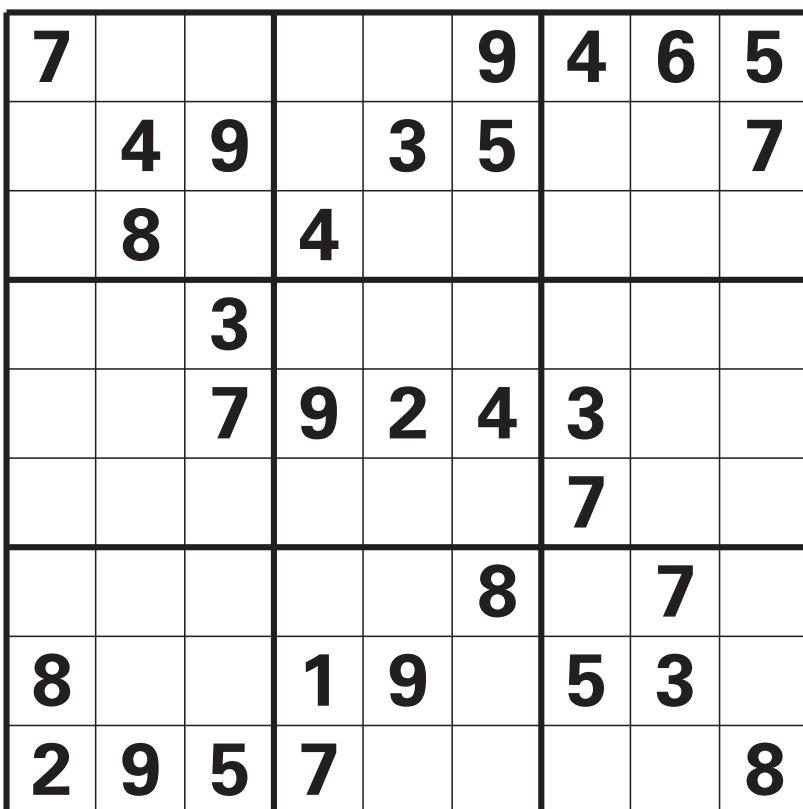
Solution, page 2



Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

# Course 6

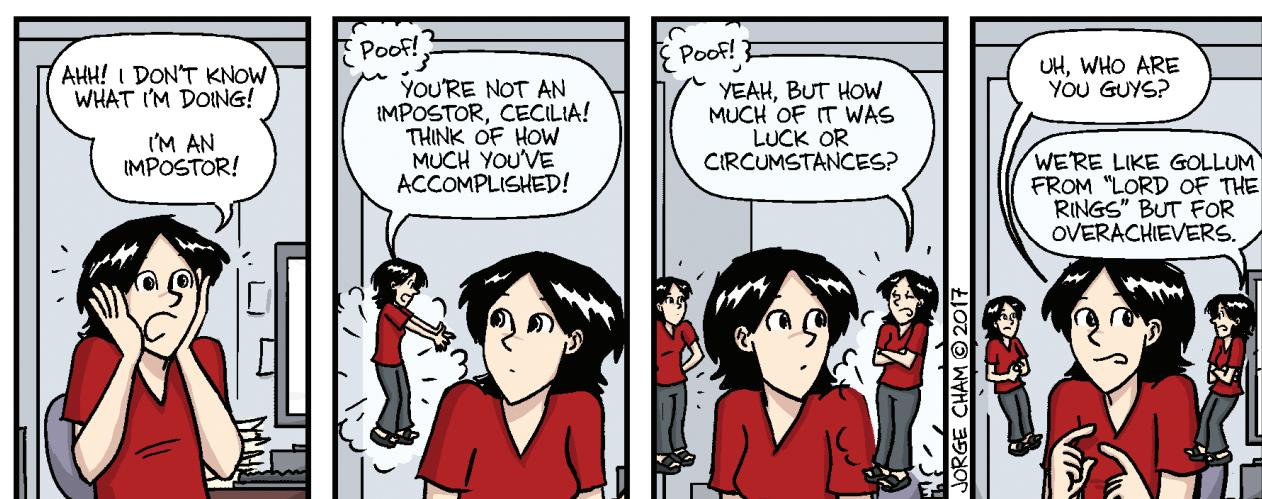
Solution, page 2



Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.



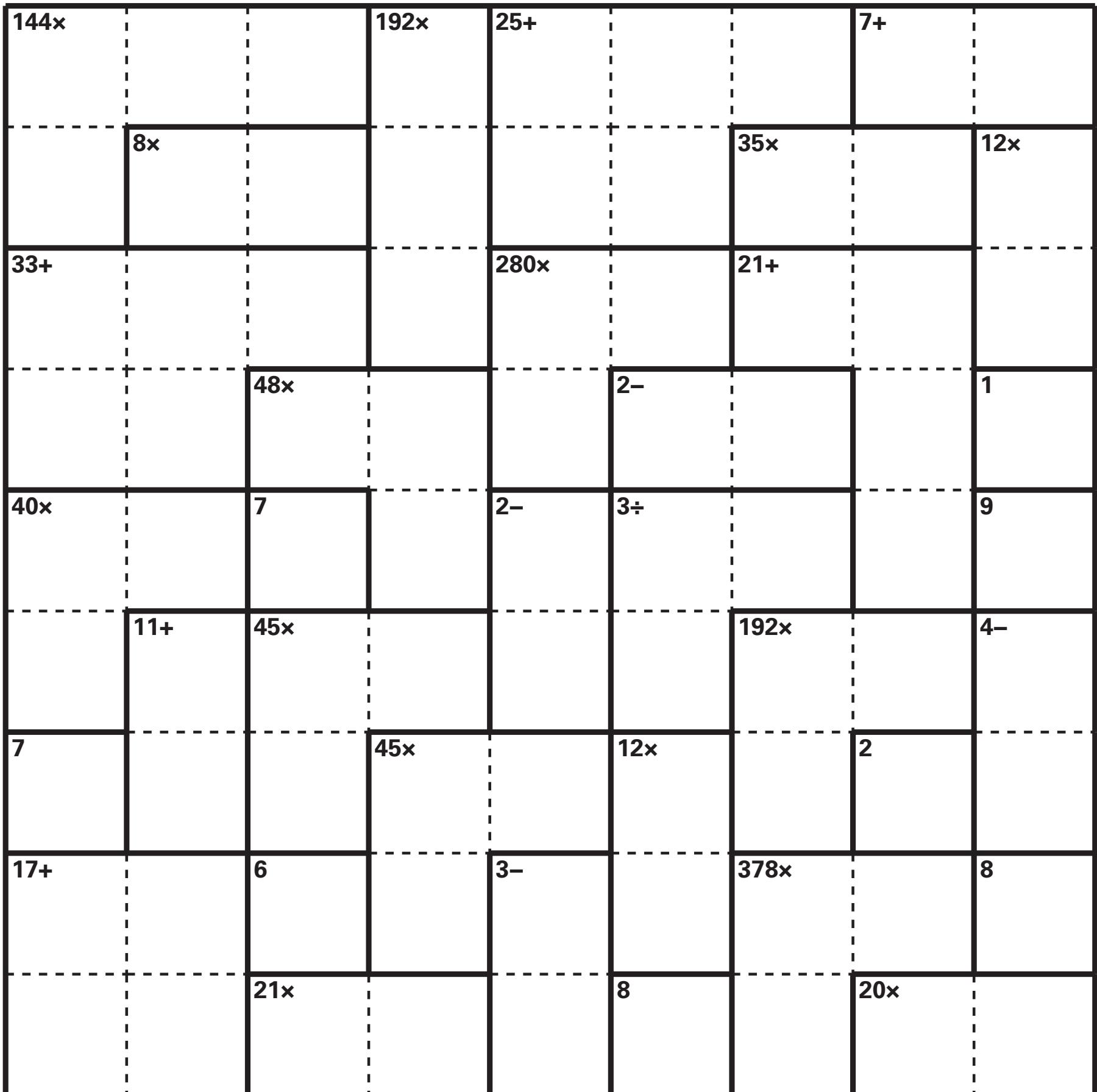
by Jorge Cham



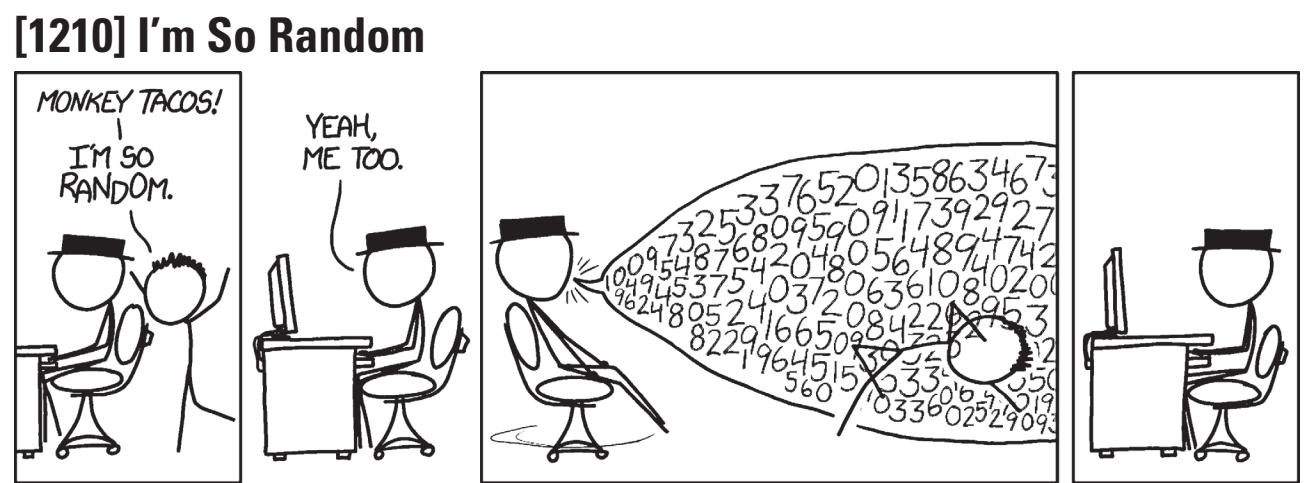
[WWW.PHDCOMICS.COM](http://WWW.PHDCOMICS.COM)

# **Internships**

## Solution, page 2



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–9. Follow the mathematical operations for each box.



In retrospect, it's weird that as a kid I thought completely random outliers made me seem interesting, given that from an information theory point of view, lexical white noise is just about the opposite of interesting by definition.

# Siebel Scholars Class of 2018

The Siebel Scholars program was founded in 2000 to recognize the most talented graduate students in business, computer science, bioengineering, and energy science. Each year, over 90 outstanding graduate students are selected as Siebel Scholars based on academic excellence and leadership and join an active, lifelong community among an ever-growing group of leaders. We are pleased to recognize this year's Siebel Scholars.

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Unnat Jain  
Sujay Khandekar  
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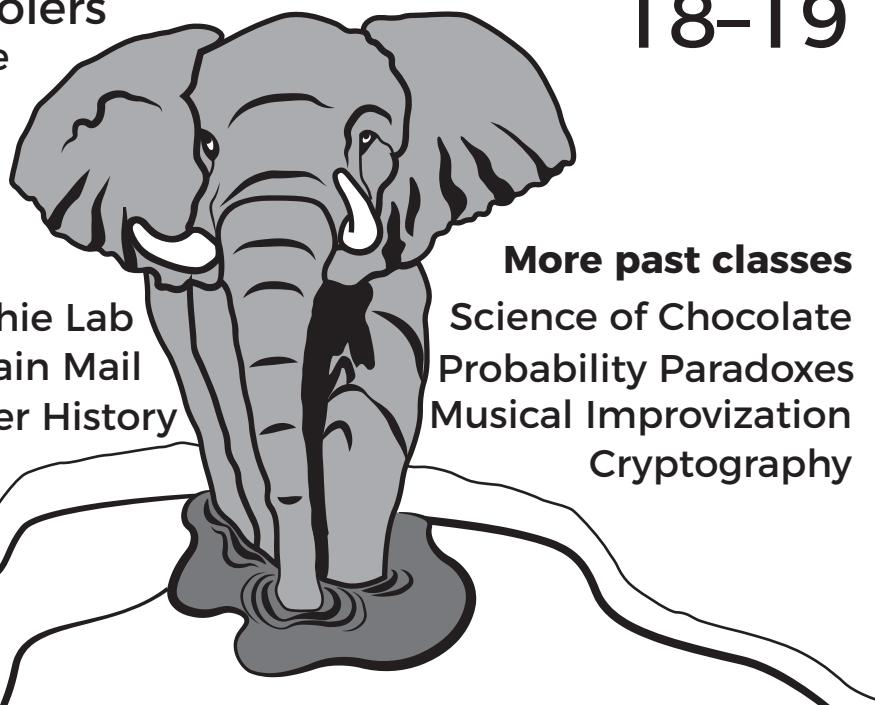


# Teach for Splash

This autumn, teach anything you want to some of **2500+** high-schoolers (and get free food and T-shirts!)

## Past classes

Mutant Plushie Lab  
Advanced Chain Mail  
Roller Coaster History  
Battlebots



## More past classes

Science of Chocolate  
Probability Paradoxes  
Musical Improvisation  
Cryptography

Register by  
**September 29 at**  
**[esp.mit.edu/makeasplash](http://esp.mit.edu/makeasplash)**



VIVIAN HU—THE TECH  
David Wu '19 defends the ball during Saturday's game against WPI. MIT narrowly lost to WPI 1-2.



JOHNNY BUI  
Anup Vasudevan and Rommel Degraria of Team Unicorn as they draw their team flag Sept. 23 for HACKtheMACHINE, an annual hackathon organized by US Navy and MIT CSAIL.

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**Chevron will be at the Massachusetts Institute of Technology's Fall Career Fair on September 23.**

We will be accepting resumes in the following disciplines:

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